

ELISABright™

Chemiluminescent substrate for ELISA applications

ELISABright™ is an enhanced and highly sensitive chemiluminescent HRP substrate optimized for ELISA applications. This luminol-based substrate demonstrates a wide linear dynamic range and a superior signal-to-noise ratio. ELISABright allows for enhanced detection of low abundance proteins and reduced consumption of antibodies.



ELISABright™

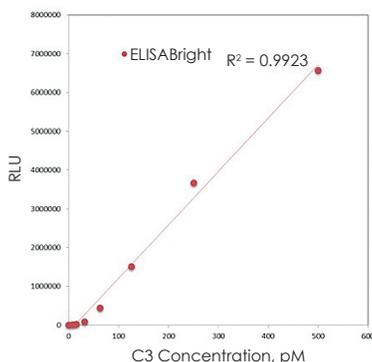
Chemiluminescent substrate for ELISA applications

ELISABright is a sensitive luminol based HRP substrate that offers superior signal-to-noise ratio, fast detection, and broad linear range.

Features

- **HIGHEST SIGNAL-TO-NOISE RATIO** – for superior performance
- **BROAD LINEAR DYNAMIC RANGE** – for enhanced detection and precision
- **IMMEDIATE LIGHT GENERATION** – for fast detection
- **COST-EFFECTIVE** – reduced consumption of reagents

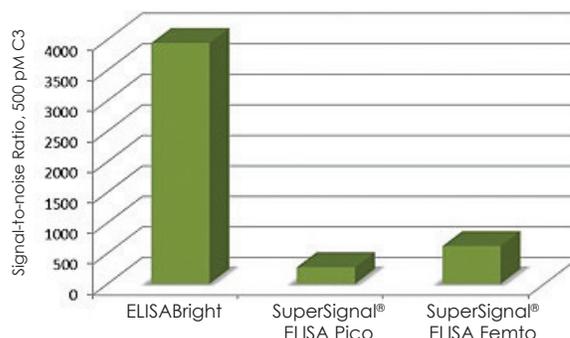
Broad linear dynamic range for ELISA



Linear Dynamic Range of ELISABright. 96-well microtiter plates were coated with purified anti-C3 antibody. Serial dilutions of human C3 protein spanning from 7.81 to 500 pM were added to ELISA plate, followed by blocking and adding a monoclonal anti-huC3a detection antibody. Post-incubation the diluted (1:30,000) goat anti-mouse-HRP conjugate was added and plate was developed by using 100µL of ELISABright substrate (components mixed 1:1) per well. The luminescent signal was measured with the Perkin Elmer Envision 2104.

ELISABright produces a signal linear with respect to the target protein concentration, with R^2 values approaching 1.

Best signal-to-noise ratio



ELISABright provides the highest signal/noise ratio in chemiluminescent ELISA experiments. ELISABright, SuperSignal ELISA Pico and SuperSignal ELISA Femto substrates (Thermo Fisher) were used to develop replicate wells of a chemiluminescent ELISA. Signal-to-noise ratios for a 500 pM solution of C3 protein were determined for each of the chemiluminescent substrates. ELISABright produced a signal-to-noise ratio over 6 times greater than that of SuperSignal ELISA Femto.

Ordering Information

Catalog Number	Product	Size
K-16025-C10	ELISABright™, sufficient for one (1) 96-well ELISA plate	10 ml
K-16025-D10	ELISABright™, sufficient for ten (10) 96-well ELISA plates	100 ml
K-16025-D25	ELISABright™, sufficient for twenty-five (25) 96-well ELISA plates	250 ml

Related Products

R-05071-500	Goat-anti-mouse HRP-conjugated secondary antibody	500 µl
R-05072-500	Goat-anti-rabbit HRP-conjugated secondary antibody	500 µl

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